

**Product Name :**  
Natural Vibration On A Ship

**Product Code :**  
CHINAELABC3600002



**Description :**

Natural Vibration On A Ship

**Technical Specification :**

Vibration behaviour of a model ship in air and in water  
Ship Model mounted on springs; vibration excitation and acceleration measurement at any point  
Frame with height-adjustable cross-member for attaching the model  
High natural frequency of the cross-member owing to enclosed box cross-section with high rigidity and low weight  
Plastic model ship with elliptical lines plan and 9 ribs  
Capacitive acceleration sensor with measuring amplifier, freely positionable  
Vibration exciter with power amplifier and function generator: sinusoidal, triangular or rectangular signal

**Technical data:**

**Vibration exciter:**

Electrodynamictype with permanent magnet

Max. force: 8,9N

Frequency range: 5~12000Hz

**Function generator:**

Adjustable frequency, amplitude and offset

Output: 0~10Vss, 50 Ohm

**Acceleration sensor:**

Measuring range:  $\pm 5g$

Frequency range: 0~400Hz

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Ship Model:  
Deck stringerwith fastening holes for sensors and suspension



**Engineering Lab China**